

Serial No: 10/673,184

Docket No: 1594.1275

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 6, 13, 20, and 29 and CANCEL claim 5 without prejudice or disclaimer.

1. (CURRENTLY AMENDED) A refrigerator, comprising:

a cabinet having an inner casing to define an inner surface of the refrigerator and an outer casing to define an outer surface of the ~~refrigerator~~, refrigerator, wherein the cabinet, the inner casing, and the outer casing have an upper portion and a lower portion;

a machine room defined by the outer casing so as to be provided outside the outer casing; room, which is provided in a space which is defined above the lower portion of the outer casing and which is positioned outside of the cabinet;

a cooling compartment defined by the inner casing; casing and having an upper rear part;

a compressor disposed at a predetermined position of the machine room;

a cooling set disposed at a predetermined position which is installed at the upper rear part of the cooling compartment, having wherein the cooling set has an evaporator; and

a flexible refrigerant pipe connecting the compressor to the evaporator.

2. (ORIGINAL) The refrigerator according to claim 1, wherein the refrigerant pipe is able to resume a former shape.

3. (ORIGINAL) The refrigerator according to claim 1, wherein the cooling set further comprises a fan and a fan motor .

Serial No: 10/673,184

Docket No: 1594.1275

4. (ORIGINAL) The refrigerator according to claim 3, wherein the elements of the cooling set are assembled into a single structure.

5. (CURRENTLY AMENDED) The refrigerator according to claim 1, wherein upper surfaces of the inner and outer casings have a same stepped ~~structure~~, structure having the lower portion, and the machine room is provided in a the space which is defined above ~~a~~ the lower portion of the stepped structure of the outer casing.

6. (CURRENTLY AMENDED) The refrigerator according to claim 1, wherein upper surfaces of the inner and outer casings have a same stepped ~~structure~~, structure having the upper portion, and the cooling set is provided in a space which is defined under ~~an~~ the upper portion of the stepped structure of the inner casing.

7. (ORIGINAL) The refrigerator according to claim 6, wherein the cooling set further comprises an evaporator fan and an evaporator fan motor, the evaporator fan and fan motor being provided above the evaporator.

8. (ORIGINAL) The refrigerator according to claim 7, wherein elements of the cooling set are assembled into a single structure.

9. (ORIGINAL) The refrigerator according to claim 8, wherein the cooling set further comprises a plurality of sensors electrically controlling the cooling set and other devices.

10. (ORIGINAL) The refrigerator according to claim 7, wherein the cooling set further comprises a cover to cover a bottom of the evaporator.

Serial No: 10/673,184

Docket No: 1594.1275

11. (ORIGINAL) The refrigerator according to claim 10, wherein the cover further comprises a plurality of circulation apertures which circulate cool air.

12. (ORIGINAL) The refrigerator according to claim 10, wherein elements of the cooling set are assembled into a single structure.

13. (CURRENTLY AMENDED) The refrigerator according to claim ~~5~~, 6, wherein the stepped structure has the lower portion thereof defined at a front portion of the refrigerator, and the upper portion thereof defined at a rear portion of the refrigerator.

14. (ORIGINAL) The refrigerator according to claim 1, wherein the cooling compartment further comprises a pipe cover to cover the refrigerant pipe.

15. (ORIGINAL) The refrigerator according to claim 14, wherein the pipe cover further comprises a plurality of circulation apertures which circulate cool air.

16. (ORIGINAL) The refrigerator according to claim 1, wherein the refrigerant pipe passes through the inner and outer casings to connect the compressor to the evaporator.

17. (ORIGINAL) The refrigerator according to claim 1, wherein the refrigerant pipe has a bellows pipe structure.

18. (ORIGINAL) The refrigerator according to claim 1, further comprising a pipe connecting the evaporator to other elements in a cooling system, wherein the pipe is flexible and able to return to a former shape.

Serial No: 10/673,184

Docket No: 1594.1275

19. (ORIGINAL) The refrigerator according to claim 1, further comprising connecting parts provided at opposite ends of the refrigerant pipe, wherein the connecting parts are connected to the evaporator and the compressor, respectively.

20. (CURRENTLY AMENDED) A refrigerator, comprising:

~~a cabinet;~~ cabinet having an upper portion and a lower portion;

~~a machine room defined outside the cabinet;~~ room, which is provided in a space which is defined above the lower portion and which is positioned outside of the cabinet;

~~a cooling compartment defined in the cabinet;~~ cabinet, wherein the cooling compartment has an upper rear part;

~~a compressor disposed at a predetermined position of the machine room;~~

~~an evaporator disposed at a predetermined position~~ in the upper rear part of the cooling compartment;

~~an evaporator's peripheral unit comprising an evaporator fan and an evaporator fan motor;~~ motor, wherein the evaporator's peripheral unit is disposed in the upper rear part; and

~~a flexible refrigerant pipe connecting the compressor to the evaporator.~~

21. (ORIGINAL) The refrigerator according to claim 20, wherein the refrigerant pipe is able to resume a former shape.

22. (ORIGINAL) The refrigerator according to claim 20, wherein the evaporator is disposed so as to be movable by a predetermined distance, thus allowing the evaporator's peripheral unit to be replaced or repaired.

23. (ORIGINAL) The refrigerator according to claim 20, wherein the evaporator and the

Serial No: 10/673,184

Docket No: 1594.1275

evaporator's peripheral unit are assembled into a cooling set of a single structure.

24. (ORIGINAL) The refrigerator according to claim 23, wherein the cooling set further comprises a plurality of sensors electrically controlling the cooling set and other devices.

25. (ORIGINAL) The refrigerator according to claim 23, wherein the cooling set further comprises a cover to cover an outer surface of the cooling set.

26. (ORIGINAL) The refrigerator according to claim 25, wherein the cover further comprises a plurality of circulation apertures which circulate air.

27. (ORIGINAL) The refrigerator according to claim 20, wherein the refrigerant pipe has a bellows pipe structure.

28. (ORIGINAL) The refrigerator according to claim 20, further comprising a pipe connecting the evaporator to other elements in a cooling system, wherein the pipe is flexible and able to return to a former shape.

29. (CURRENTLY AMENDED) A cooling system, comprising:

a cabinet having an upper portion and a lower portion;

a compressor to compress a refrigerant, thus increasing pressure of the refrigerant; refrigerant, wherein the compressor is disposed on the lower portion of the cabinet and outside of the cabinet;

a condenser to condense the compressed refrigerant ;

a pressure reducing unit to reduce pressure of the condensed refrigerant ;

an evaporator's peripheral unit comprising an evaporator fan and an evaporator fan motor;

Serial No: 10/673,184

Docket No: 1594.1275

an evaporator to absorb heat from surroundings by evaporation of the pressure-reduced refrigerant; and

a flexible refrigerant pipe to connect the compressor to the evaporator.

30. (ORIGINAL) The cooling system according to claim 29, wherein the refrigerant pipe is able to resume a former shape.

31. (ORIGINAL) The cooling system according to claim 29, wherein the evaporator is disposed in such a way as to be movable by a predetermined distance, thus allowing the evaporator's peripheral unit to be replaced or repaired.

32. (ORIGINAL) The cooling system according to claim 29, wherein the evaporator and the evaporator's peripheral unit are assembled into a cooling set of a single structure.

33. (ORIGINAL) The cooling system according to claim 32, wherein the cooling set further comprises a plurality of sensors electrically controlling the cooling set and other devices.

34. (ORIGINAL) The cooling system according to claim 32, wherein the cooling set further comprises a cover to cover an outer surface of the cooling set.

35. (ORIGINAL) The cooling system according to claim 34, wherein the cover further comprises a plurality of circulation apertures which circulate air.

36. (ORIGINAL) The refrigerator according to claim 29, wherein the refrigerant pipe has a bellows pipe structure.

Serial No: 10/673,184

Docket No: 1594,1275

37. (ORIGINAL) The cooling system according to claim 29, further comprising a pipe connecting the evaporator to other elements in the cooling system, wherein the pipe is flexible and able to return to a former shape.